

290 **Claims**

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- 295 1. An arrangement enabling a liquid (2) to flow evenly around a surface of a sample (3), said arrangement comprising
- a flow chamber (1) having said liquid (2) flowing therethrough,
 - a sample (3) located at least in part in said flow chamber (1) and rotatable about an axis of rotation by means of a rotary drive (5),
 - 300 - inflow and outflow pipes (7, 8) each extending to opposite ends of the flow chamber (1) from inflow and outflow containers (9, 10), respectively,
 - an inflow tube (11) terminating in inflow container (9),
 - 305 - an outflow tube (12) beginning in outflow container (10),
 - means (20) for generating a flow, and
 - filters (13) arranged in the inflow and/or outflow container (9, 10) or in the inflow and outflow
 - 310 pipes (7, 8), respectively, and having the liquid (2) flowing therethrough.
2. An arrangement according to claim 1, wherein the size and the number of the filter pores
- 315 (24) is set to be varying across the overall filter area such that a pressure differential between inflow/outflow pipes (7, 8) arranged at different distances from inflow/outflow tube (11, 12), which causes non-uniform flow through said pipes (7, 8), is
- 320 compensated by different overall pore areas associated with the individual pipes (7, 8).
3. An arrangement according to claim 1 or 2 for electrodepositing or electro-removing material on or from
- 325 the surface of the sample (3), comprising an elec-

trode (6) in the flow chamber (1), wherein the liquid (2) is an electrolyte and wherein the sample (3) and the electrode (6) are connected to a pulsating or constant current source.

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4. An arrangement according to claim 3 for electro-depositing or electro-removing material on or from the surface of the sample, wherein
 - the flow chamber (1) has two planar confining walls arranged parallel to the direction of flow and having a first and a second recess, respectively,
 - the sample (3) has a substantially planar surface having said axis of rotation arranged perpendicularly thereto,
 - the sample (3) covers the first recess and said planar surface defines a plane with the associated confining wall, and
 - the electrode (6) covers the second recess with a planar surface and defines a plane with the associated confining wall.
5. An arrangement according to claim 4, wherein the electrode (6) has a grid basket (15) of electrochemically inert material that is filled with the material (14) to be deposited in granular form and has a planar surface containing holes.
6. An arrangement according to claim 4, wherein the electrode (6) consists of a metal body having a planar surface and coated with platinum or another noble metal.
7. An arrangement according to claims 1 to 6, wherein the inflow and/or outflow tube (11, 12) extends via a throttle valve (16) into a supply con-

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